

Converting Colors

CIELCh(51, 80.055, 358.344)

Have a look what the booklet for
CIELCh(51, 80.055, 358.344)
contains.

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Color

CIELCh(51, 80.027, 358.565)

Conversions

Conversions Part 1

Format	Color
Hex	EB0480
RGB	235, 4, 128
RGB Percent	92%, 2%, 50%
CMY	0.0790, 0.9862, 0.4985
CMYK	0.00, 0.99, 0.46, 0.08
HSL	328°, 97%, 47%
HSV	328°, 99%, 92%
XYZ	38.1402, 19.2686, 22.0913
YIQ	87.2050, 97.8720, 87.5360

Conversions

Conversions Part 2

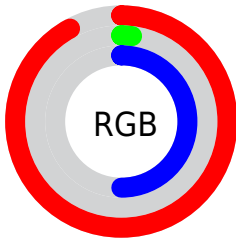
Format	Color
R_{YB}	235, 4, 128
Decimal	15402112
CIE _{Lab}	51.00, 80.00, -2.00
CIE _{LCh}	51, 80.027, 358.565
Yxy	19.2686, 0.4798, 0.2424
Android (android.graphics.Color)	4293592192 (0xFFEB0480)
YUV	87.2050, 20.1119, 129.6162
Hunter-Lab	43.8960, 78.2765, 0.8887

Details

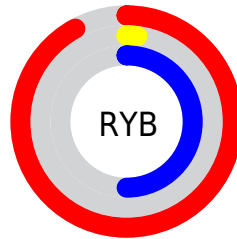
The CIELCh color **51, 80.027, 358.565** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **82, 86.816, 147.285**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 69.400, 348.987**, and **37, 63.122, 5.913** is the 20% darker color. If you saturate the color by 10%, you get **51, 80.136, 359.129**, and if you desaturate by 10%, it is **52, 78.875, 355.014**.

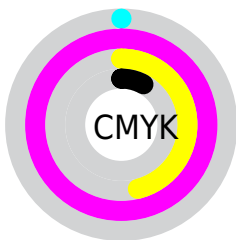
Distribution



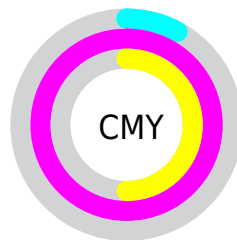
- Red (92%)
- Green (2%)
- Blue (50%)



- Red (92%)
- Yellow (2%)
- Blue (50%)



- Cyan (0%)
- Magenta (99%)
- Yellow (46%)
- Black (8%)





- Cyan (8%)
- Magenta (99%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 80.027, 358.565 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 51, 80.027, 358.565 by changing the saturation by 10% instead.


 51, 80.027,
358.565


 51, 80.027,
358.565


 100, 80.027,
358.565


 41, 80.027,
358.565


 71, 80.027,
358.565

 31, 80.027,
358.565

 81, 80.027,
358.565

 21, 80.027,
358.565

 91, 80.027,
358.565

 11, 80.027,
358.565

 1, 80.027, 358.565

 0, 80.027, 358.565

■ 51, 80.027,
358.565

■ 51, 80.027,
358.565

■ 51, 80.136,
359.129

■ 52, 78.875,
355.014

■ 54, 75.504,
352.166

■ 57, 69.712,
349.907

■ 61, 61.837,
348.090

■ 66, 52.423,
346.589

■ 71, 42.035,
345.316

■ 76, 31.146,
344.209

■ 82, 20.106,

343.224

 88, 9.148, 342.318

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51, 80.027, 358.565



82, 86.816, 147.285

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51, 80.027, 358.565



51, 80.027, 48.565



51, 80.027, 178.565



51, 80.027, 228.565

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51, 80.023, 358.566



81, 35.057, 344.381



36, 118.042, 310.733



41, 23.919, 344.842



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 80.023, 358.566



55, 85.239, 359.324



49, 95.524, 38.151



46, 6.114, 342.404



39, 66.082, 358.413



8, 29.002, 352.408

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51, 80.023, 358.566



55, 85.239, 359.324



84, 49.013, 188.999



46, 6.114, 342.404



39, 66.082, 358.413



8, 29.002, 352.408

Previews

White Background



This preview shows how the CIELCh color 51, 80.027, 358.565 looks on a white background.

Color Contrast Check

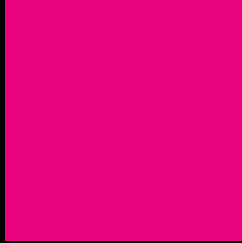
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 80.027, 358.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 80.027, 358.565

Background



This preview shows how black text looks on a background with the CIELCh color 51, 80.027, 358.565.



This preview shows how white text looks on a background with the CIELCh color 51, 80.027, 358.565.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51, 80.027, 358.565

Protanopia

52, 36.828, 285.198

Deuteranopia

52, 7.457, 24.619



Tritanopia
51, 80.291, 33.359

Trichromacy



Original Color
51, 80.027, 358.565



Protanomaly
45, 55.295, 322.126



Deuteranomaly
46, 44.690, 351.780



Tritanomaly
51, 77.381, 20.426

Monochromacy



Original Color
51, 80.027, 358.565



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 41.648, 348.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 80.027, 358.565 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(235, 4, 128)` looks like.

```
.text, #text, p{  
    color:rgb(235, 4, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 4, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 4, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 80.027, 358.565 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 4, 128) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(235, 4, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(235, 4, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 4, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 4, 128);  
box-shadow:4px 4px 4px 4px rgb(235, 4,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 80.027, 358.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 4, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235, 4,  
128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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